



RIDOT TMC Incident Statistics

4/1/2012 To 6/30/2012

The Rhode Island transportation system serves 39 cities and towns, encompassing urban, suburban, and tourism areas. The Rhode Island Department of Transportation's Transportation Management Center (RIDOT TMC) has been addressing the problem of increasing congestion in Rhode Island by informing the traveler of crashes and unusual delays. In doing so, the TMC has provided measurable benefits to the transportation system, and has developed the technology and institutional awareness necessary to expand the Intelligent Transportation Systems (ITS) Program (called RhodeWays) to the benefit of Rhode Island travelers.

The RIDOT TMC maintains detailed statistics on incidents that we manage from our center. Because the data are entered by our TMC Operators, the statistics are dependent on what we can observe on the roadways with our equipment. Review and compilation of these statistics is done quarterly. By making these statistics available to you, we hope that you can learn more about the program and understand the benefit of the services we provide to the Rhode Island motoring public.

The types of incidents tabulated in this report include disabled vehicles, debris on the roadway, emergency roadwork, vehicle accidents, and vehicle rollovers. Additionally, a category exists for congestion delays that are outside of typical recurring congestion. The TMC does assist in information dissemination for planned events (such as construction) as well, but those types of events are not included in the statistics. Also, abandoned vehicles are not included since they tend to skew the statistics.

We hope you find this report interesting and that it helps in understanding the significant benefit that the RhodeWays program provides to the people who travel Rhode Island's roadways every day. Also, please remember to check the TMC website frequently for updates (<http://www.tmc.state.ri.us>), including construction and incident information.

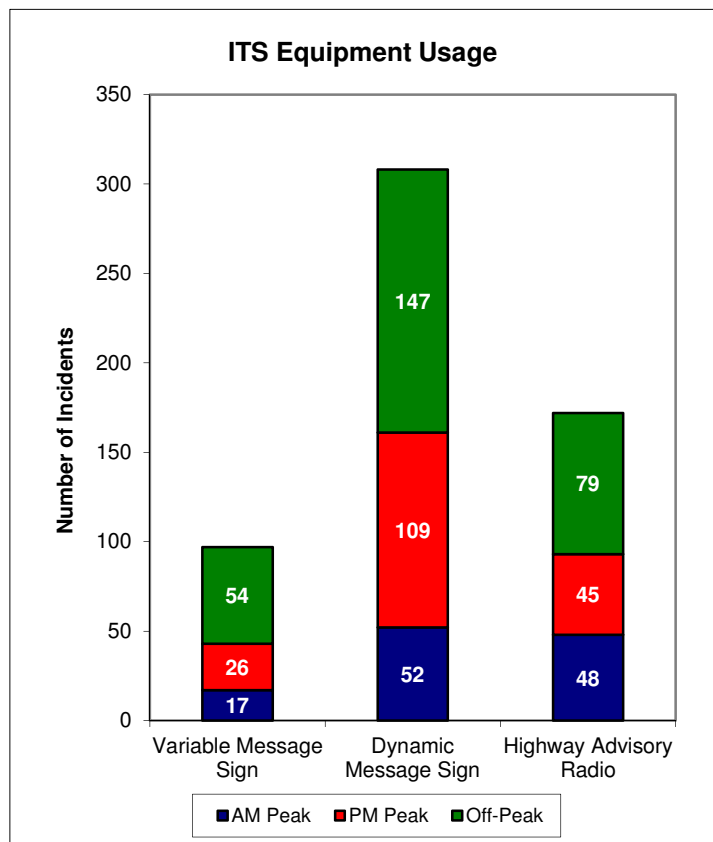
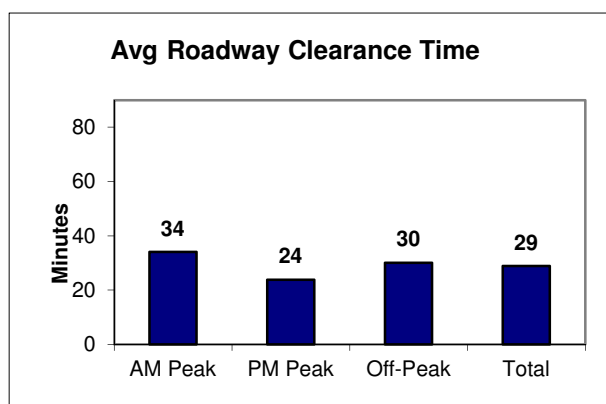
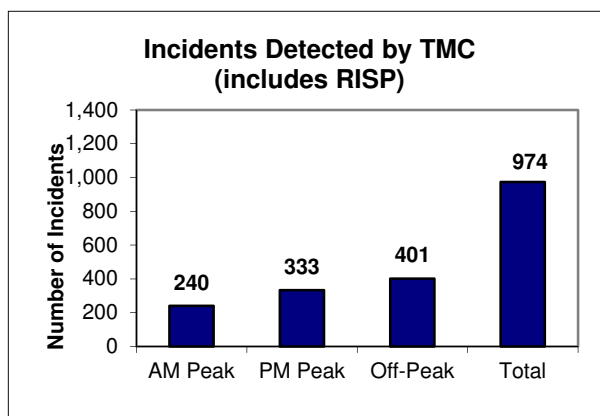
RIDOT TMC Incident Statistics Report

1. Peak Period Incident Statistics*

	AM Peak	PM Peak	Off-Peak	Total
Number of Incidents	246	337	411	994
Avg. Incident Clearance Time (min)	48	39	38	41
Avg. Roadway Clearance Time (min)	34	24	30	29
# Detected by TMC Operators	153	74	159	386
# Detected by State Police (RISP)	87	259	242	588
# Notified by RhodeWatchers	0	1	0	1
# Utilizing VMS	17	26	54	97
# Utilizing DMS	52	109	147	308
# Utilizing HAR	48	45	79	172
# Posted to Web	238	335	383	956
Avg. Delay Cost**	\$201,939	\$164,694	\$159,577	\$171,796
Total Delay Cost	\$49,677,099	\$55,501,801	\$65,586,114	\$170,765,014

* AM Peak: 6:00AM to 10:00 AM, PM Peak: 3:00PM to 7:00PM, Monday - Friday

** Delay Cost is a function of incident duration, volume on the roadway, delay per person, and cost per hour of delay for both commercial and personal vehicles. Average delay cost includes only incidents with a lane blockage and represents average cost per incident.



Note: Statistics in this report are only for incidents that the TMC reported or responded to during the quarter. They do not include all incidents that occurred on Rhode Island roadways.

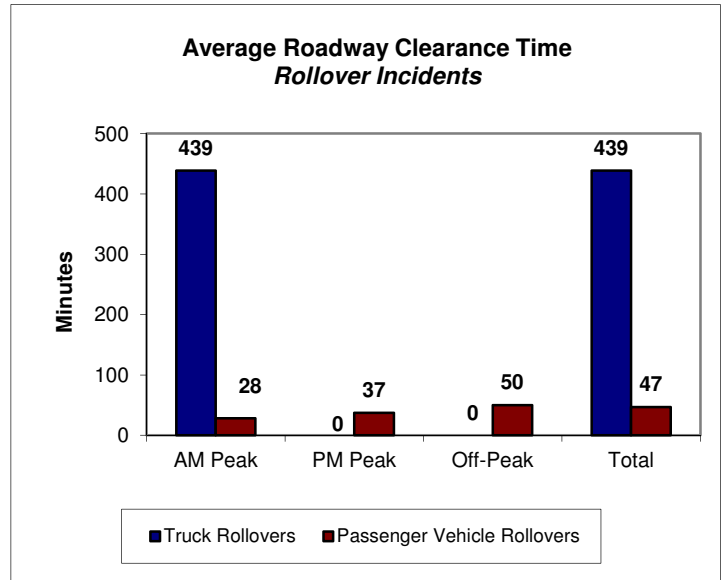
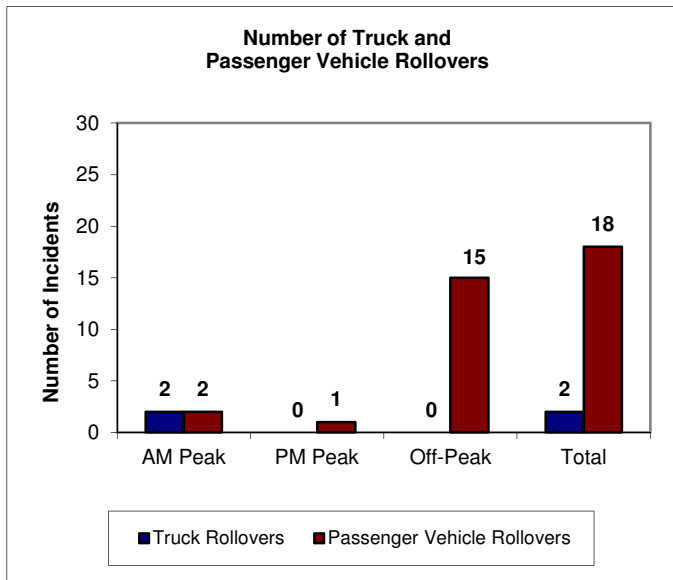
Incident Clearance Time is the time from the start of an incident (or when it is detected) to the time when responders leave the scene and/or the incident is declared as cleared.

Roadway Clearance Time is the time from the start of an incident (or when it is detected) to the time when all travel lanes are available for traffic.

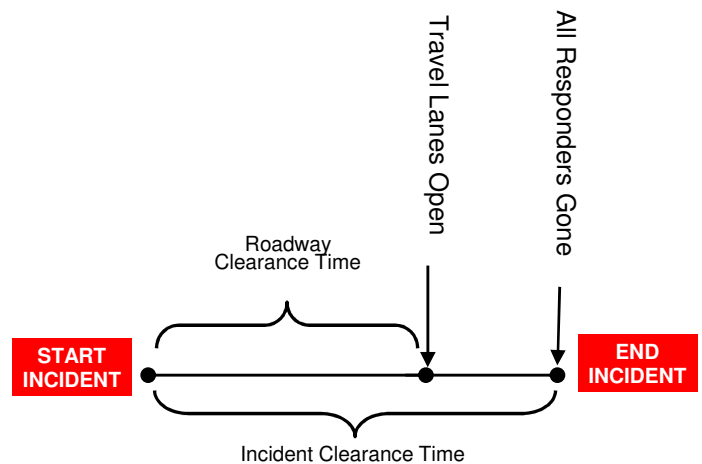
2. Rollover Incident Statistics*

VEHICLES	Trucks				Automobiles			
	AM Peak	PM Peak	Off-Peak	Total	AM Peak	PM Peak	Off-Peak	Total
No. of Rollovers	2	0	0	2	2	1	15	18
Avg. Incident Clearance (min)	439	0	0	439	28	37	53	49
Avg. Roadway Clearance (min)	439	0	0	439	28	37	50	47

* AM Peak: 6:00AM to 10:00 AM, PM Peak: 3:00PM to 7:00PM, Monday - Friday



Roadway	Exit Number	Number Of Rollovers
Airport Connector Westbound	N/A	1
Interstate 195 Eastbound	8	1
Interstate 295 Northbound	7B	2
Interstate 295 Southbound	7A	1
Interstate 295 Southbound	3A	1
Interstate 95 Northbound	29	2
Interstate 95 Southbound	29	1
Interstate 95 Southbound	5B	1
Interstate 95 Southbound	6	1
Interstate 95 Southbound	5A	1
Route 006 Eastbound	N/A	2
Route 010 Southbound	N/A	2
Route 099 Northbound	N/A	1
Route 102 Westbound	N/A	1
Route 146 Northbound	N/A	1
Route 146 Southbound	N/A	1
TOTAL		20



3. Incidents by Severity Level

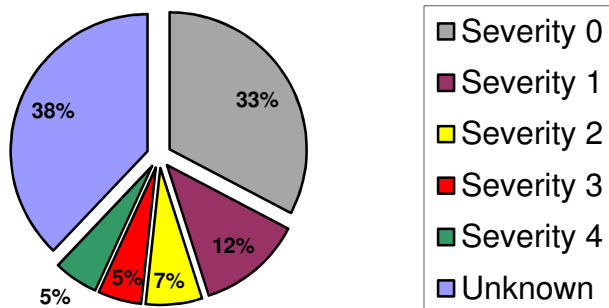
Severity Level*	No. of Incidents
Severity 0	325
Severity 1	123
Severity 2	66
Severity 3	51
Severity 4	52
Unknown	377
Total	994

Number of Incidents with a Secondary Incident:

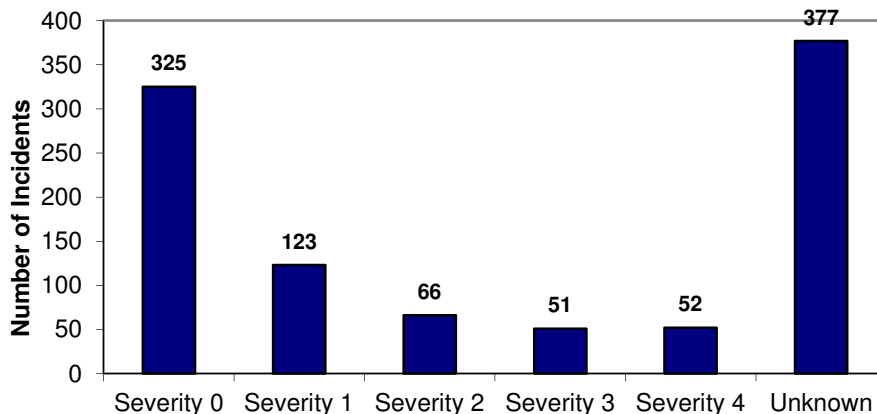
Percentage of Incidents with a Secondary Incident:

Note: A "secondary" incident is one that is the result of an earlier incident.

Percent of Incidents by Severity Level



Number of Incidents by Severity Level



*Definition of Incident Severity Levels:

Severity 0: No injuries and no travel lanes blocked

Severity 1: 1/4+ travel lanes blocked with no injuries OR median/shoulder closed with injuries

Severity 2: 1/3 or 2/4+ lanes blocked OR Fire w/ 0 lanes closed OR hazardous materials (HAZMAT) w/ 0 lanes closed

Severity 3: 1/2 or 2/3 or 3/4+ lanes blocked OR Fire w/ 1/3 or 2/4 lanes closed OR Hazmat w/ 2/4 lanes closed

Severity 4: All travel lanes blocked OR fatality OR Hazmat w/ clean-up OR Fire w/ 1/2, 2/3, 3/4 lanes closed OR Structural damage w/ 1/3, 2/3+ lanes closed

Unknown: Incidents without a recorded severity level

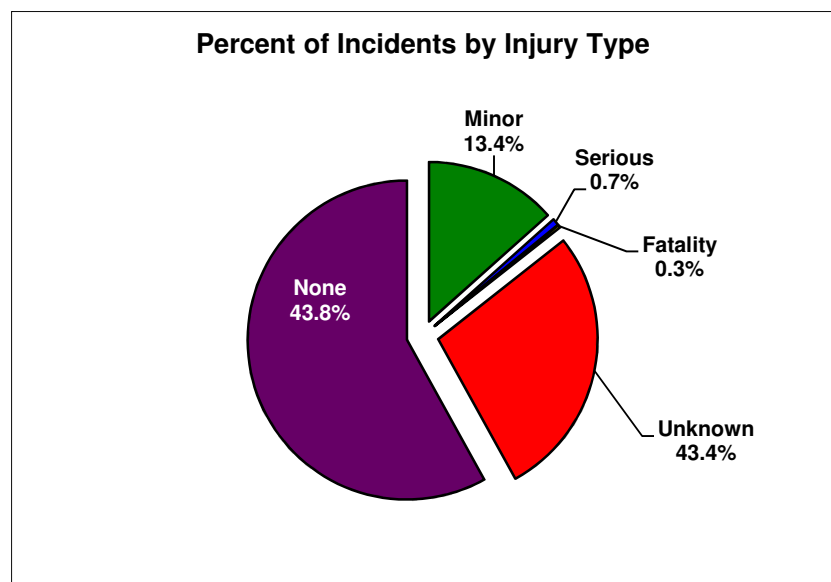
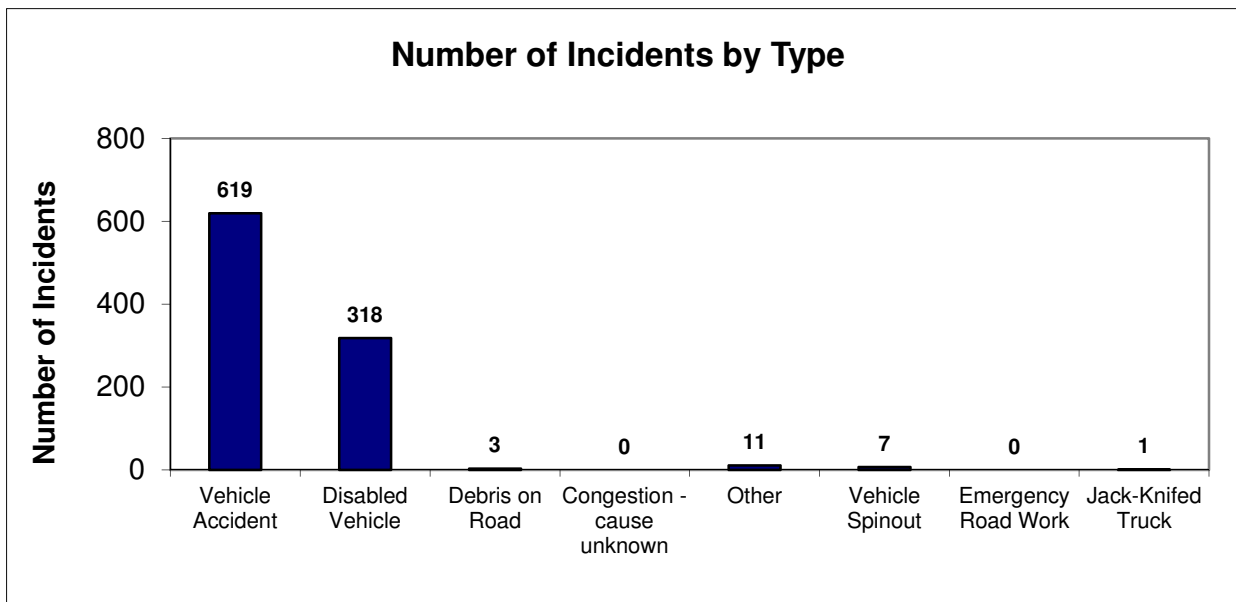
Note: For travel lanes blocked terminology, "1/4" indicates 1 out of 4 lanes blocked

4. Incidents by Type

Incident Type	No. of Incidents
Vehicle Accident	619
Disabled Vehicle	318
Debris on Road	3
Congestion - cause unknown	0
Other	11
Vehicle Spinout	7
Emergency Road Work	0
Jack-Knifed Truck	1
<i>Total Number of Incidents</i>	<i>959</i>

5. Incidents by Injury Type

Injury Type	No. of Incidents
Minor	133
Serious	7
Fatality	3
Unknown	274
None	577
<i>Total</i>	<i>994</i>



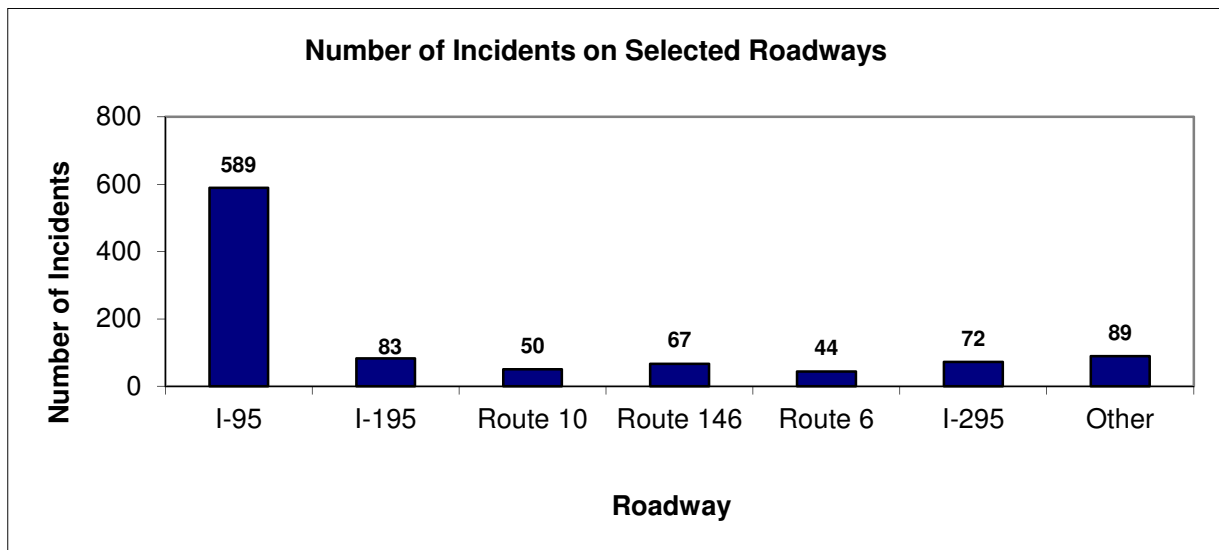
6. Incidents by Pavement and Weather Conditions

Pavement Condition	No. of Incidents
Dry	802
Wet	192
Icy	0
Snow-Covered	0
Flooded	0
Other	0
<i>Total</i>	<i>994</i>
Precipitation	
None	827
Light-moderate rain falling	153
Heavy rain falling	14
Light-moderate sleet falling	0
Heavy sleet falling	0
Light-moderate snow falling	0
Heavy snow falling	0
<i>Total</i>	<i>994</i>
Wind	
Calm to Moderate	984
Moderate to Strong	10
Gusts over 50 mph	0
Gusts over 75 mph	0
Hurricane	0
Other	0
N/A	0
<i>Total</i>	<i>994</i>
Visibility	
Clear	842
Light fog	5
Dense fog	8
Reduced- rain	136
Reduced-snow	0
Poor-heavy rain/sleet	0
Poor-heavy snow	0
Reduced-smoke	0
Other	0
N/A	3
<i>Total</i>	<i>994</i>

7. Incidents Detected by Primary Notifier on Selected Roadways

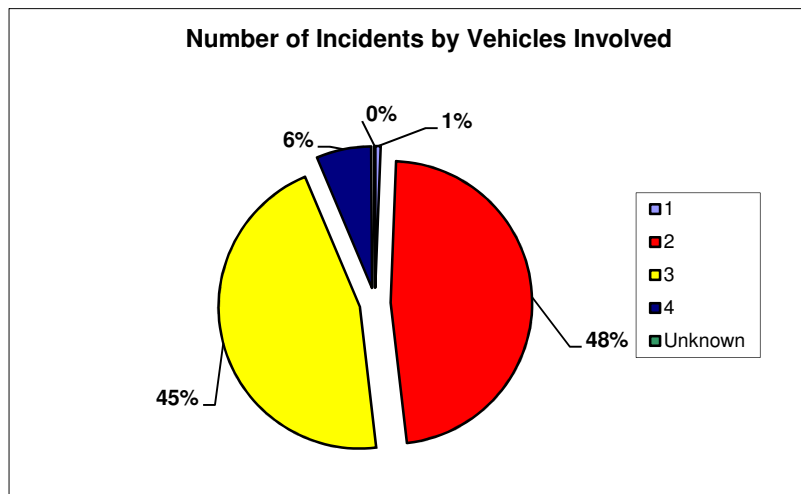
Roadway	Primary Notifier	No. of Incidents
I-195	TMC Operator	39
	State Police Scanner	40
	Local Fire Department	0
	Rhode Watcher	0
	Media/MetroNetworks	0
	Traffic.com	0
	Transcom	0
	Other	4
	Total	83
I-95	TMC Operator	256
	State Police Scanner	276
	Local Fire Department	0
	Rhode Watcher	0
	Media/MetroNetworks	0
	Traffic.com	0
	Transcom	0
	Other	57
	Total	589
I-295	TMC Operator	21
	State Police Scanner	38
	Local Fire Department	0
	Rhode Watcher	1
	Media/MetroNetworks	0
	Traffic.com	0
	Transcom	0
	Other	12
	Total	72

Roadway	Primary Notifier	No. of Incidents
Route 10	TMC Operator	13
	State Police Scanner	31
	Local Fire Department	0
	Rhode Watcher	0
	Media/MetroNetworks	0
	Traffic.com	0
	Transcom	0
	Other	6
	Total	50
Route 146	TMC Operator	18
	State Police Scanner	43
	Local Fire Department	0
	Rhode Watcher	0
	Media/MetroNetworks	0
	Traffic.com	0
	Transcom	0
	Other	6
	Total	67
Route 6	TMC Operator	18
	State Police Scanner	21
	Local Fire Department	0
	Rhode Watcher	0
	Media/MetroNetworks	0
	Traffic.com	0
	Transcom	0
	Other	5
	Total	44



8. Incidents by Number of Vehicles Involved

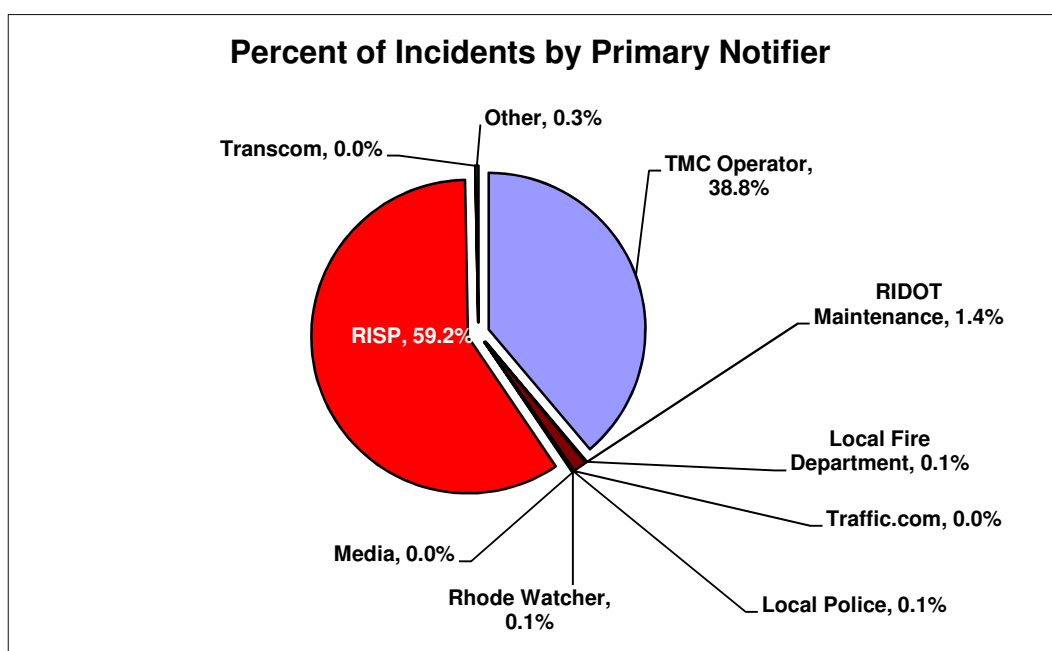
No. of Vehicles Involved	No. of Incidents
1	6
2	464
3	444
4	61
5	15
6	2
7	0
8	1
9	0
10+	0
Unknown	1
Total Incidents	994



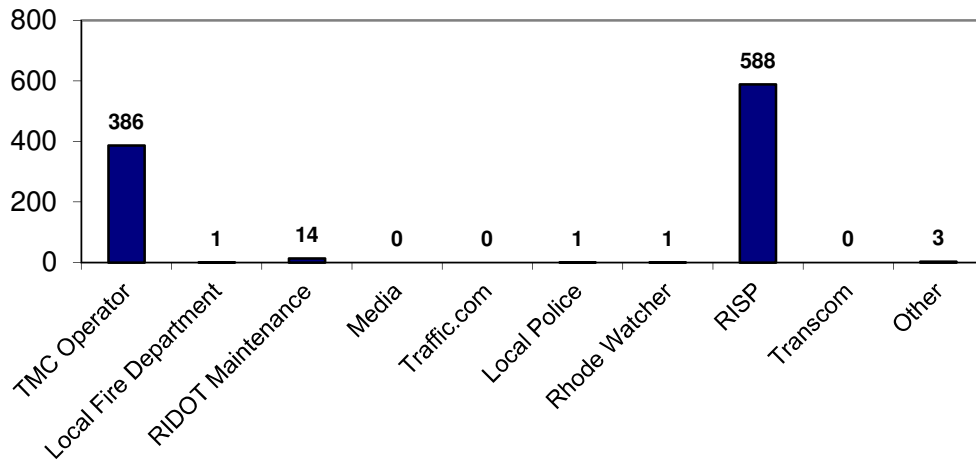
9. Incident Notification

Primary Notifier*	No. of Incidents
TMC Operator	386
Local Fire Department	1
RIDOT Maintenance	14
Media	0
Traffic.com	0
Local Police	1
Rhode Watcher	1
RISP	588
Transcom	0
Other	3
Total	994

*First notifier of the incident to TMC



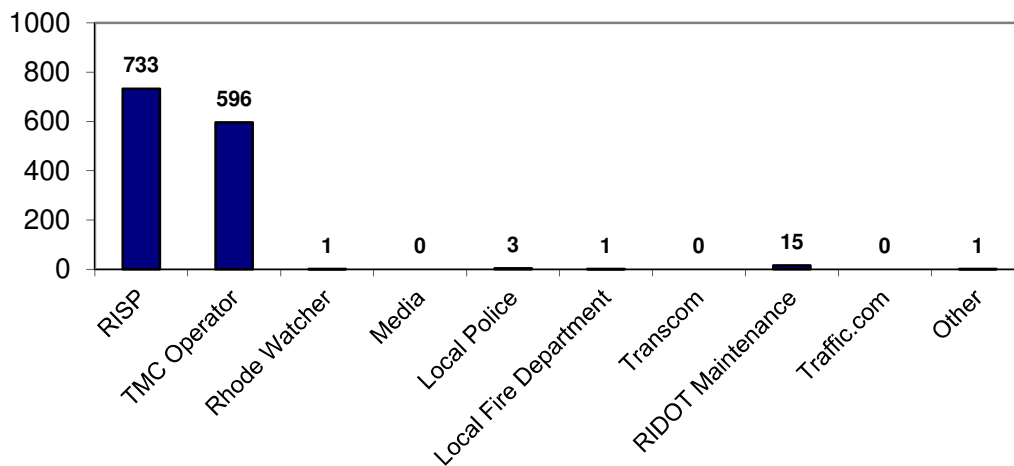
Number of Incidents by Primary Notifier



All Notifiers	No. of Incidents
RISP	733
TMC Operator	596
Rhode Watcher	1
Media	0
Local Police	3
Local Fire Department	1
Transcom	0
RIDOT Maintenance	15
Traffic.com	0
Other	1

Note: Primary notifier indicates the first notifier of the incident to the TMC. Additional notifiers are also logged, and are represented in the statistics for "all notifiers".

Number of Incidents by All Notifiers



10. Incident Response

On-Scene Responding Agency	No. of Incidents	Percent of Total Incidents
State Police	820	82.49%
Tow	379	38.13%
Local Fire Department	245	24.65%
EMS	246	24.75%
Local Police	59	5.94%
Service Patrol	8	0.80%
Mass Highway	0	0.00%
DOT	17	1.71%
Hazmat	0	0.00%
DEM	2	0.20%
Connecticut DOT	0	0.00%
Construction	2	0.20%
Coast Guard	0	0.00%
Department of Health	0	0.00%
K-9	0	0.00%
RIPTA	1	0.10%

	# of Incidents
# Utilizing Equipment (HAR,VMS or DMS)	388
# Utilizing VMS	97
# Utilizing DMS	308
# Utilizing HAR	172
# Posted to Web	956

Note: Numbers and percentages in upper table indicate how many of the incidents during the month were responded to by the agency indicated. Note that multiple agencies may respond to an incident, so percentages do not add up to 100%.

